

Title (en)

Transmission unit and coupling assembly for integration in a transmission unit

Title (de)

Kraftübertragungseinheit und hydrodynamische Kupplungsbaueinheit zur Untegration in einer Kraftübertragungseinheit

Title (fr)

Unité de transmission et dispositif d'accouplement pour intégration dans une unité de transmission

Publication

EP 0864771 A3 19990203 (DE)

Application

EP 98103403 A 19980227

Priority

DE 19710070 A 19970312

Abstract (en)

[origin: EP0864771A2] The power transmission unit comprises a hydrodynamic coupling unit (1) which has at least two bucket wheels - a primary (4) and secondary (5) bucket wheel. These form at least one toroid operating chamber (6,7) and are joined by a hub-type element (14) connected and axially secured to the drive (2) and driven (5) shafts. The hydrodynamic coupling unit has a housing (10) with two axial end walls (12.1,12.2). Between at least one bucket wheel and the hub-type element is an intermediate hub (13) coupled with the bucket wheel and extending axially as far as the axial end walls. The hub-type element forms an axial stop (25) for the intermediate hub.

IPC 1-7

F16D 33/18

IPC 8 full level

F16D 33/18 (2006.01)

CPC (source: EP US)

F16D 33/18 (2013.01 - EP US)

Citation (search report)

- [A] DE 802029 C 19510201 - VOITH GMBH J M
- [A] US 2281161 A 19420428 - AUSTIN KUHNS, et al
- [A] DE 3434860 A1 19860403 - KLOECKNER HUMBOLDT DEUTZ AG [DE]
- [A] DE 19614590 A1 19960926 - VOITH TURBO KG [DE]
- [A] DE 4224728 A1 19940210 - VOITH TURBO KG [DE]

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DE202014006625U1; DE102014203835A1; US10077814B2

Designated contracting state (EPC)

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